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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO	
10/609,481	07/01/2003	Toshiaki Fukuhara	Q76417	2209	
23373 7.	590 08/23/2004		EXAMINER		
SUGHRUE MION, PLLC			FRANK, RODNEY T		
2100 PENNSY SUITE 800	LVANIA AVENUE, N	1.W.	ART UNIT	PAPER NUMBER	
WASHINGTON, DC 20037			2856	THE ENTITION DEN	
***************************************	11, 20 20007				
			DATE MAILED: 08/23/2004		

Please find below and/or attached an Office communication concerning this application or proceeding.

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		Application No.	Applicant(s)			
		10/609,481	FUKUHARA ET AL.			
	Office Action Summary	Examiner	Art Unit			
		Rodney T. Frank	2856			
Period fo	The MAILING DATE of this communication or Reply	appears on the cover sheet	with the correspondence address			
THE - External effect - If the - If NC - Failure Any (ORTENED STATUTORY PERIOD FOR RE MAILING DATE OF THIS COMMUNICATIOnsions of time may be available under the provisions of 37 CFF SIX (6) MONTHS from the mailing date of this communication period for reply specified above is less than thirty (30) days, a period for reply is specified above, the maximum statutory per the to reply within the set or extended period for reply will, by streply received by the Office later than three months after the med patent term adjustment. See 37 CFR 1.704(b).	N. R 1.136(a). In no event, however, may reply within the statutory minimum of riod will apply and will expire SIX (6) N atute, cause the application to become	v a reply be timely filed thirty (30) days will be considered timely. IONTHS from the mailing date of this communication. ABANDONED (35 U.S.C. § 133).			
Status						
1)[\inf	Responsive to communication(s) filed on 0	2 June 2004.				
•	•	This action is non-final.				
3)□						
	closed in accordance with the practice und	er <i>Ex parte Quayl</i> e, 1935 (C.D. 11, 453 O.G. 213.			
Disposit	ion of Claims					
4)🖂	Claim(s) 1-3 is/are pending in the application	on.				
	4a) Of the above claim(s) is/are with	drawn from consideration.				
5)□	Claim(s) is/are allowed.					
6)⊠	☑ Claim(s) <u>1-3</u> is/are rejected.					
7)	Claim(s) is/are objected to.					
8)[Claim(s) are subject to restriction ar	nd/or election requirement.				
Applicat	ion Papers					
9)[The specification is objected to by the Exan	niner.				
10)	The drawing(s) filed on is/are: a)	accepted or b)□ objected	to by the Examiner.			
	Applicant may not request that any objection to					
	Replacement drawing sheet(s) including the cor			I) .		
11)	The oath or declaration is objected to by the	e Examiner. Note the attac	ned Office Action or form PTO-152.			
Priority	under 35 U.S.C. § 119					
-	Acknowledgment is made of a claim for fore All b) Some * c) None of: 1. Certified copies of the priority documents.	ents have been received.				
	2. Certified copies of the priority docum3. Copies of the certified copies of the					
	 Copies of the certified copies of the papelication from the International Bu 		en received in this National Stage			
* 5	See the attached detailed Office action for a		not received.			
·			·			
Attachmer		A)	Summary (PTO 442)			
	ce of References Cited (PTO-892) ce of Draftsperson's Patent Drawing Review (PTO-948) Paper	ew Summary (PTO-413) No(s)/Mail Date			
3) 🔯 Infor	mation Disclosure Statement(s) (PTO-1449 or PTO/SE er No(s)/Mail Date <u>28 July 2004</u> .		of Informal Patent Application (PTO-152)			

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DETAILED ACTION

Claim Rejections - 35 USC § 103

1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 1-3 are rejected under 35 U.S.C. 103(a) as being unpatentable over Kroiss et al. (German Patent Publication DE 19751210; hereinafter referred to as Kroiss). In reference to claim 1, Kroiss discloses, in reference to the claims, looking at the figures, Kroiss discloses a liquid level sensor (1) comprising a sensor housing (6), a rotary shaft (7), mounted rotatably on the sensor housing, a float (3), vertically movable corresponding to a change of a liquid level, a float arm (2), having a first end (4) mounted on the float, and a second end (13), connected to the rotary shaft (7) such, that the rotary shaft rotates because of a movement of the float; an annular magnet (19), connected to the rotary shaft and which rotates together with the rotary shaft, two arc-like – stators (20) forming a pair and arranged in the sensor housing such that they are arranged opposed to an outer face of the magnet, and a magnetoelectric transducing element (22), which is arranged between the first ends of the stators for detecting a change of a magnetic flux density in the stators, which is caused by a rotation of the magnet (19), and said change is converted into an electrical signal. There is an air gap (21) between the stators, but the angle caused by said gap is not specifically disclosed. However, the gap, thus causing an angle between the stators, is viewed as a design choice that is well within the preview of one of ordinary skill in the art.

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With regard to claims two and three, though these claim limitations are also not specifically disclosed, they are also viewed as mere design choice that would not give either an improvement

Response to Arguments

2. Applicant's arguments with respect to claims 1-3 have been considered but are moot in

view of the new ground(s) of rejection.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner

should be directed to Rodney T. Frank whose telephone number is (571) 272-2193. The

examiner can normally be reached on M-F 9am -5:30p.m..

over nor an unexpected result in view of the prior art of record.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor,

Hezron E. Williams can be reached on (571) 272-2208. The fax phone number for the

organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent

Application Information Retrieval (PAIR) system. Status information for published applications

may be obtained from either Private PAIR or Public PAIR. Status information for unpublished

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system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

RTF

August 11, 2004

HEZRON WILLIAMS

SUPERVISORY PATENT EXAMINER

TECHNOLOGY CENTER OF